

PATENTS  
112025-0116

1 13. (Amended) Electronic data signals received through a port of a router, said elec-  
2 tronic data signals for implementing a method for routing a source routed packet to a Source  
3 Route Bridge (SRB) subnet for a destination station, comprising:

4 maintaining an address resolution protocol table (ARP table) in said router having an  
5 entry for each station on said SRB subnet to which said router routes packets, said entry  
6 having a first field containing a Layer 3 address of said each station, said entry having a sec-  
7 ond field containing a Layer 2 address of said each station including a physical (MAC) ad-  
8 dress and routing information (RIF information) from said router to said each station, and;

9 writing said routing information read from said second field of said ARP table into a  
10 Route Information Field (RIF) in a message packet before routing said message packet to  
11 said SRB subnet for said destination station.

1 14. (Amended) An ARP table data structure stored in a computer memory of a router,  
2 comprising:

3 an entry for each station on a Source Route Bridge (SRB) subnet to which said router  
4 routes packets, said entry having a first field containing a Layer 3 address of each said sta-  
5 tion, said entry having a second field containing a Layer 2 address of said station including a  
6 physical (MAC) address and routing information (RIF information) from said router to said  
7 each station, said routing information in said second field of said ARP table used for writing  
8 RIF information into a Route Information Field (RIF) in a message packet before routing said  
9 message packet to said SRB subnet for said each station.

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**IN THE ABSTRACT:**

Please replace the Abstract of the specification with the following replacement to in-  
corporate the revisions set forth on the accompanying replacement page: